

Recombinant Mouse CD40/TNFRSF5 Protein (His Tag)

RPE8497



Product Information

Product SKU: RPE8497	Expression Host: Mammalian	Size: 20µg
Tag: C-His	Reactivity: Mouse	Accession: P27512

Additional Information

Calculated MW: 19 kDa	Observed MW: 30 kDa
Sequence: Leu20-Arg193	

Protein Information

Background: CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis.

Synonyms: IMD, B-cell surface antigen CD, Tumor necrosis factor receptor superfamily member, HIGM, Tnfrsf, HIGM1, I326936, IGM, IMD3, p50, T-BAM, TRAP, Bp50, CD40, Tnfrsf5, Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, CD40L receptor, gp39 R, TNFRSF5, CD40 (protein), CD40 molecule, CDW40

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

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Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.